

Converting Colors

$Y_{xy}(76.6298, 0.3253, 0.5427)$

Have a look what the booklet for
Yxy(76.6298, 0.3253, 0.5427)
contains.

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Color

Yxy(76.5902, 0.3250, 0.5427)

Conversions

Conversions Part 1

Format	Color
Hex	80FF49
RGB	128, 255, 73
RGB Percent	50%, 100%, 29%
CMY	0.4980, 0.0000, 0.7137
CMYK	0.50, 0.00, 0.71, 0.00
HSL	102°, 100%, 64%
HSV	102°, 71%, 100%
XYZ	45.8666, 76.5902, 18.6712
YIQ	196.2790, -17.2700, -83.5260

Conversions

Conversions Part 2

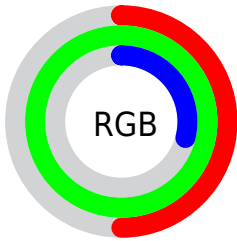
Format	Color
R _Y B	73, 255, 200
Decimal	8453961
CIE Lab	90.13, -65.28, 71.87
CIE LCh	90, 97.097, 132.250
Yxy	76.5902, 0.3250, 0.5427
Android (android.graphics.Color)	4286644041 (0xFF80FF49)
YUV	196.2790, -60.7765, -59.8807
Hunter-Lab	87.5158, -59.6017, 48.6117

Details

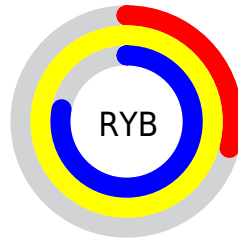
The Yxy color **76.5902, 0.3250, 0.5427** is a light color, and the websafe version is hex **66FF33**. The color can be described as light washed chartreuse. A complement of this color would be **24.2672, 0.2674, 0.1466**, and the grayscale version is **55.7619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1058, 0.3400, 0.4681**, and **40.9246, 0.3147, 0.5883** is the 20% darker color. If you saturate the color by 10%, you get **75.0586, 0.3219, 0.5653**, and if you desaturate by 10%, it is **78.5051, 0.3266, 0.5147**.

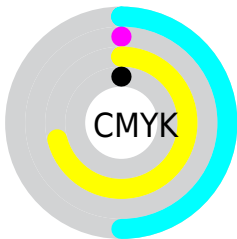
Distribution



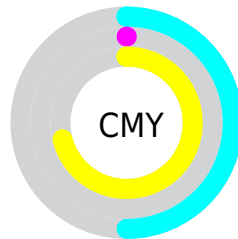
- Red (50%)
- Green (100%)
- Blue (29%)



- Red (29%)
- Yellow (100%)
- Blue (78%)



- Cyan (50%)
- Magenta (0%)
- Yellow (71%)
- Black (0%)




- Cyan (50%)
- Magenta (0%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5902, 0.3250, 0.5427 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 76.5902, 0.3250, 0.5427 by changing the saturation by 10% instead.


 76.5902, 0.3250,
0.5427

 76.5902, 0.3250,
0.5427


483.3657, 0.3278,
0.4389

 56.9166, 0.3218,
0.5662


 128.5608, 0.3280,
0.5065


 40.9383, 0.3164,
0.5946


 161.6267, 0.3285,
0.4924


 28.2709, 0.3074,
0.6292


 199.9254, 0.3288,
0.4803

 18.5299, 0.2922,
0.6709

 243.8413, 0.3288,
0.4698

 11.3311, 0.2701,
0.7299

 293.7589, 0.3286,
0.4606

 6.2900, 0.2236,
0.7764


350.0626, 0.3284,


 3.0222, 0.1479,


0.4525

0.8521


413.1367, 0.3281,
0.4453


 1.1433, 0.0000,
1.0000


 0.0147, 0.0000,
1.0000


 76.5902, 0.3250,
0.5427


 76.5902, 0.3250,
0.5427


 75.0586, 0.3219,
0.5653


 78.5051, 0.3266,
0.5147

 73.8754, 0.3175,
0.5811

 80.8259, 0.3266,
0.4833

 73.1004, 0.3131,
0.5896

 83.5782, 0.3254,
0.4504

 86.7839, 0.3231,
0.4179

■ 90.4635, 0.3202,
0.3869

■ 94.6361, 0.3168,
0.3583

■ 99.3198, 0.3132,
0.3323

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5902, 0.4246, 0.5130



76.5902, 0.3250, 0.5427



76.5902, 0.2273, 0.4708

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.5902, 0.3250, 0.5427



76.5902, 0.1416, 0.1821



76.5902, 0.4872, 0.2912

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



76.5902, 0.3250, 0.5427



24.2672, 0.2674, 0.1466

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.5902, 0.3788, 0.2294



76.5902, 0.3250, 0.5427



76.5902, 0.1839, 0.1696

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.5902, 0.3250, 0.5427



76.5902, 0.1327, 0.2332



76.5902, 0.2646, 0.1866



76.5902, 0.5331, 0.3620

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.5902, 0.3250, 0.5427



76.5902, 0.1772, 0.3812



76.5902, 0.2646, 0.1866



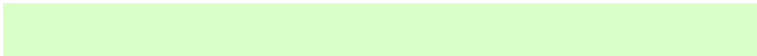
76.5902, 0.4556, 0.2692

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



76.5916, 0.3250, 0.5427



90.6072, 0.3201, 0.3858



61.8431, 0.4487, 0.4440



19.1648, 0.3209, 0.3942



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.5916, 0.3250, 0.5427



74.4689, 0.3200, 0.5735



73.9857, 0.2918, 0.5248



20.4342, 0.3161, 0.3532



38.2642, 0.3142, 0.5887



3.7798, 0.3224, 0.5822

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



24.2672, 0.2674, 0.1466



19.2474, 0.2553, 0.1241



31.2819, 0.3549, 0.1956



18.0087, 0.3089, 0.3052



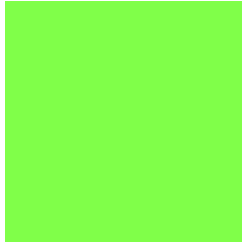
8.7960, 0.2456, 0.1126



0.9136, 0.2543, 0.1175

Previews

White Background



This preview shows how the Yxy color 76.5902, 0.3250, 0.5427 looks on a white background.

Color Contrast Check

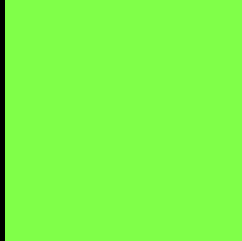
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 76.5902, 0.3250, 0.5427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

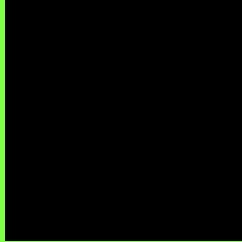
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

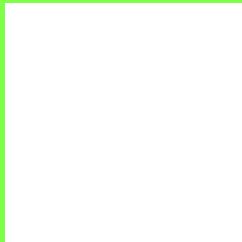
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.5902, 0.3250, 0.5427

Background



This preview shows how black text looks on a background with the Yxy color 76.5902, 0.3250, 0.5427.



This preview shows how white text looks on a background with the Yxy color 76.5902, 0.3250, 0.5427.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

76.5902, 0.3250, 0.5427

Protanopia

75.4698, 0.4276, 0.4725

Deuteranopia

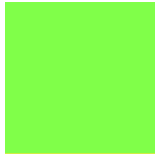
74.9016, 0.3729, 0.3773



Tritanopia

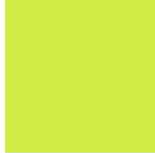
75.8954, 0.2606, 0.3087

Trichromacy



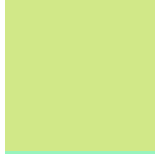
Original Color

76.5902, 0.3250, 0.5427



Protanomaly

74.2511, 0.3853, 0.5013



Deuteranomaly

73.0461, 0.3571, 0.4377



Tritanomaly

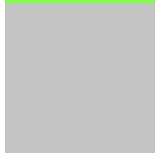
75.0509, 0.2878, 0.3965

Monochromacy



Original Color

76.5902, 0.3250, 0.5427



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

60.5180, 0.3228, 0.4140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5902, 0.3250, 0.5427 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(128, 255, 73)` looks like.

```
.text, #text, p{  
    color:rgb(128, 255, 73)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(128, 255, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 255, 73) }
```

Border

The CSS property to change the border of an element to Yxy 76.5902, 0.3250, 0.5427 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 255, 73) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(128, 255, 73) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(128, 255, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 255, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 255, 73);  
box-shadow:4px 4px 4px 4px rgb(128, 255,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5902, 0.3250, 0.5427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 255, 73) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(128,  
255, 73) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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